Spectrum Supportability Workshop

07 December 2009

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Spectrum Supportability Workshop

- **Listing of data requirements to support HN SS coordination, Frequency Requests, EMC analysis, etc.**

1. What does it mean to go to MCEB Pub 8 in HNSWDO?
2. By COCOM, what new data items or general information pieces required for host nation coordination?
3. COCOMs provide feedback to FMOs as the table of frequency allocations change within a country.
4. COCOMs – Stand alone versus COCOM/Country comments

- **Future of DD Form 1494 and variations (EC, PC, & CC papers)**

1. Near-term (Paper, PDF File) versus long-term (Pub 8 compliant, JDAWS data pull)

Spectrum Supportability Workshop

- **How to meet NATO's requirements for Waveform Description & CONOPS**

1. Process Update

- **EL-CID Business Process**

1. Transition process
2. Improving DD1494 Printout from EL-CID records for Host Nation Coordination Requests (HNCRs)

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MCEB SPECTRUM CERTIFICATION AND SUPPORTABILITY PROCESS
TRANSITIONAL WORK FLOW

CONTRACTOR: Parametric Data in ELCID or DD1494*

PROGRAM OFFICE: Parametric Data in ELCID or DD1494*

* DD1494 produced in Word, PDF, SCS or Stepstone. Stepstone implementation pending service acceptance of system.

MILDEP SMO: Review and Submit Parametric Data in ELCID for SPS Coordination and PDF DD1494* for HNDSWDO[1]

J/F 12

MCEB ESG PWG Parametric Data in ELCID or DD1494* [2]

NTIA/SPS: Parametric Data in ELCID

As Required

IRAC: Parametric Data in ELCID

MILDEP SMO Consolidate NTIA Parametric Data comments, Draft MCEB Guidance, Releasable PDF DD1494* for HNCR

J/F 12 Host Nation Coordination Request

MCEB ESG PWG Official (hard copy) package includes: ELCID Full Record Print or DD1494* and the MCEB Guidance Page[3]

COCOM/HN Supportability comments from COCOM or HN in HNDSWDO

JSC : Maintain and update the following records[4]
1)MCEB ELCID Files
2)SCS Archive (until permanent lockdown)
3)NTIA Approved ELCID files (via DKO)
4)Hard copy records

USER UNIT Initiates Frequency Assignment Request

MILDEP SMO Report Action to Program Office

ACRONYMS

COCOM - Combatant Commands
ELCID - Equipment Location-Certification Information Database
ESG PWG - Equipment Spectrum Guidance Permanent Working Group
HN - Host Nation
HNCR - Host Nation Coordination Request
HNSWDO - Host Nation Spectrum Worldwide Database
IRAC - Interdepartment Radio Advisory Committee
JSC - Joint Spectrum Center
MCEB - Military Communication-Electronics Board
NTIA - National Telecommunications and Information Administration
SCS - Spectrum Certification System
SPS - Spectrum Planning Subcommittee
MILDEP SMO - Military Service Spectrum Management Office (e.g. AF Frequency Mgt Agency, US Army Spectrum Management Office, Navy & Marine Corps Spectrum Center, Coast Guard Headquarters COMDT(CG-652))

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Footnotes

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1) MILDEP SMOs will make organization determination on the format being used within their Military Department for Spectrum Certification. Based on an informal poll 10/27/09, one organization is requesting ELCID only from the Program Office, two organizations are requesting a DD1494 produced in Word, PDF, SCS or Stepstone and/or an ELCID file, and one organization is not mandating any specific format for collecting DD1494 data. Until permanently locked-down, Spectrum Certification System will likely be the most prevalently used system for producing DD1494 PDF files for Foreign coordination. Even when SCS is permanently locked-down, SCS may remain the most predominantly used system for producing the readable DD1494. Stepstone is an up and coming option for use to produce DD1494 PDF files. Based on an e-mail from Mr. Dave Wicker on 10/28/2009, Stepstone is currently at the Army Information Management Support Center (IMCEN) for inclusion within AKO. The Stepstone DD1494 editor should be available before Thanksgiving 2009 to produce DD1494 PDFs for foreign coordination and internal DoD coordination, after acceptance and integration by the services is complete.
2) ESG PWG will conduct pre-coordination review of J/F 12 applications in either ELCID Full Record Print or DD1494. The preference at ESG PWG is to use the DD1494 if that format is available from a software program other than ELCID. The DD1494 from ELCID is not usable due to inability to correlate data in transmitter and receiver pages for multiple emission designators. In the case where the ELCID Full Record Print or DD1494 are excessively long, the ESG PWG Members will use discretion in producing hard copies for all members and can distribute the data electronically.
3) Until such time as the ESG PWG or JSC is able to protect ELCID or Stepstone data from modification (as is currently possible with the distributed SCS Archive), the official record for spectrum certification will remain the paper file. The Official package will consist of the DD1494 or ELCID Full Record Print and the MCEB Guidance Page.
4) The MCEB ELCID records will be accessible via the Joint Spectrum Data Repository (JSDR). They will eventually be able to be uploaded directly into SMTI for frequency assignment purposes. As of 10/29/09, no specific timeline is known for when ELCID data will auto load from JSDR into the Spectrum Management Transformation Initiative (SMTI) tool. The SCS Archive will continue to be updated with monthly CDs distributed until such time as a sufficient number of DoD applications submitted prior to 11/1/2009 have been certified by NTIA.

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Notes

The process is initiated by the Military Service acquisition program office or RF equipment procuring unit initiating an “Application for Equipment Frequency Allocation” (via ELCID, Stepstone, SCS, PDF or Word depending on organization preference). Since the data in the application is critical to the subsequent review by RF support determination authorities, the MILDEP SMOs review the applications to ensure data accuracy, and adequacy. In addition, the MILDEP SMOs assess compliance with known US and DoD RF standards and with the National and International Tables of Frequency Allocation. The MILDEP SMOs also initiate Electromagnetic Compatibility studies (as necessary) and analysis of the desired equipment with existing or planned system of the MILDEP. If the data is deemed sufficiently adequate, the application is assigned a J-12 tracking number obtained from the MCEB Secretariat, through the MILDEP SMO. The MILDEP SMOs officially submits the application to the National US authorities as required and to the ESG PWG. In addition, the MILDEP SMOs submit a Host Nation Coordination Package (releasable DD1494 and Foreign Release letter) to the COCOMs and Defense Attache’ Offices (DAO) to initiate foreign coordination as required. The submission for foreign coordination can be made at anytime in the lifecycle of a J/F 12 application.

When the NTIA, MILDEPS, or other authorities respond to the application request, the response is sent to the MILDEP that submitted the application. The MILDEP consolidates the EMC studies, RF standards analysis, and comments received into a draft MCEB Guidance and submits it to the ESG PWG. Spectrum supportability comments from Host Nations, COCOMs or DAOs is recorded only in HNSWDO. If a study, analysis or comment is questionable or needs to be re-addressed, the MILDEP SMO takes action as appropriate prior to submitting the draft MCEB Guidance to the ESG PWG. The ESG PWG reviews the MCEB Guidance and the associated application (or changes to the Guidance or application called a Note-to-Holder), then the ESG PWG steering member signs it and provides to the JSC for loading the electronic file into the database and for distribution of hardcopy to J-12 holders. Once approved by the ESG PWG, the user must submit and receive approval for frequency assignment requests prior to radiating the equipment. It is important to note that the equipment must not operate until a frequency assignment is granted.

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